

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

Attorney Docket No:

W9544-01

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First Named Inventor or Application Identifier

Jeffrey William Balko

Express Mail Label No: EV 311098746 US

Date Mailed: September 26, 2003

(Submit an original, and a duplicate for fee processing)  
(Only for nonprovisional applications under 37 CFR 1.53(b))

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Mail Stop: Patent Applications

Commissioner For Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

22141 U.S. PTO

10/671807



09/26/03

1. ☒ Fee :

a. ☐ Separate Fee Transmittal Form Submitted

b. ☒ See boxes 30-32

2. ☒ Specification

Total Pages

25

3. ☒ Drawing(s) (35 USC 113)

Total Sheets

4

4. ☒ Oath or Declaration

a. ☒ Newly executed:

i. ☒ Original for first filing of nonprovisional application

ii. ☐ Original for C-I-P application

iii. ☐ Original for Continuation or Divisional application naming an inventor not named in prior application  
(37 CFR 1.63(d)(5))

b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 20 completed):

i. ☐ With no change of inventive entity in prior application needed

ii. ☐ With deletion of inventors requested at Box 29(a)  
(37 CFR 1.48(b)) (see also 37 CFR 1.63(d)(2) and 1.33(b).)

5. ☐ Incorporation By Reference (*useable if Box 4b is checked*)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)

7. ☐ Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all necessary*)

a. ☐ Computer Readable Copy

b. ☐ Paper Copy (identical to computer copy)

c. ☐ Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

8. ☐ Assignment Papers (*cover sheet & document(s)*)

9. ☐ 37 CFR 3.73(b) Statement (*to establish right of assignee to take action*)

10. ☒ Power of Attorney

11. ☐ English Translation Document (*if applicable*)

12. ☐ Information Disclosure Statement (*See 37 CFR 1.17(p) for fee*)

a. ☐ Copies of IDS Citations

b. ☐ (IDS) / PTO-144913.

13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)(*Should be specifically itemized*)
15. ☐ Small Entity Statements:
- a. ☐ A small entity statement is enclosed claiming small entity status
- b. ☐ A small entity statement was filed in the prior nonprovisional application and such status is still proper and desired
16. ☐ Priority of ☐ U.S. provisional application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_ ☐ foreign application No. \_\_\_\_\_ filed on \_\_\_\_\_ in \_\_\_\_\_ (country), is claimed under 35 U.S.C. 119.
17. ☐ Certified Copy of Priority Document(s)(*if foreign priority is claimed*)
18. ☒ Other Documents Enclosed: Certificate of Express Mailing: EV 311098746 US

**REQUEST THAT APPLICATION NOT BE PUBLISHED PURSUANT TO 35 U.S.C. 122(B)(2)**

19. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

**FOR A CONTINUING APPLICATION OR A 35 U.S.C. § 111(a) APPLICATION CLAIMING PRIORITY UNDER 111(b) PROVISIONAL APPLICATION**

20. Check appropriate box and supply the requisite information:  
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)
21. ☐ Prior Application Information:  
 US Serial No: \_\_\_\_\_, Filing Date: \_\_\_\_\_  
 Prior Application Examiner: \_\_\_\_\_  
 Prior Application Art Unit: \_\_\_\_\_
22. ☐ Cancel in this application original claims \_\_\_\_\_ of the prior application before calculating the filing fee.  
 (At least one original independent claim must be retained for filing purposes).
23. ☐ Amend the specification by inserting before the first line the sentence:  
 This is a ☐ continuation ☐ division of application Serial No. \_\_\_\_\_, filed \_\_\_\_\_.
24. ☐ Amend the specification by inserting before the first line the sentence:  
☐ This application claims priority under 35 U.S.C. § 119 of the following provisional application Serial No(s). \_\_\_\_\_ and filing date(s) \_\_\_\_\_  
☐ The entire disclosure of application Serial No. \_\_\_\_\_, filed \_\_\_\_\_ is incorporated herein by reference.
25. ☐ New formal drawings are enclosed.
26. ☐ A certified copy of the priority application has been filed in prior application Serial No. \_\_\_\_\_, filed \_\_\_\_\_.
27. ☐ The prior application is assigned of record to: \_\_\_\_\_.
28. ☐ The Power of Attorney in the prior application is to:  
 a. ☐ The power appears in the original papers of the prior application.  
 b. ☐ Since the power does not appear in the original papers, a copy of the power in the prior application is enclosed.

**Inventorship Modifications For Continuation or Divisional Application**

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29. ☐ Change the inventorship of this application by:a. ☐ Deleting the following inventors named in the prior application (37 CFR 1.53(b)(1)):

\_\_\_\_\_, because claim changes resulted in fewer than all of the previously named inventors of the prior application being the actual inventors of the invention being currently claimed in this CPA application (This request constitutes a Petition in accordance with 37 CFR 1.48(b))(See Box 4(b)(ii) and 37 CFR 1.17(i) for fee);

**FEES**30. ☒ The filing fee is calculated below:**CLAIMS AS FILED, LESS ANY CLAIMS CANCELLED BY AMENDMENT BELOW**

For	Number Filed	Number Extra	Rate	TOTALS
Total Claims	26	6	\$18.00	\$108.00
Independent Claims	1	0	\$84.00	\$0.00
1st Time Multiple Dependent Claims (Yes=1 or No=0) =		0	\$280.00	\$0.00
			\$750.00	\$750.00
TOTAL FILING FEE DUE:				\$858.00
<b>Other Fees</b>				
Fee Type				Fee Amount
Total Fees				\$858.00

31. ☒ Please charge \$\$858.00 to Deposit Account No. 07-1770.  
Two additional copies of this form are enclosed.

32. ☒ The Director is hereby authorized to charge any additional fees under 37 CFR 1.16 and 1.17 which may be required, or credit any overpayment to Deposit Account No. 07-1770.  
Two additional copies of this form are enclosed.

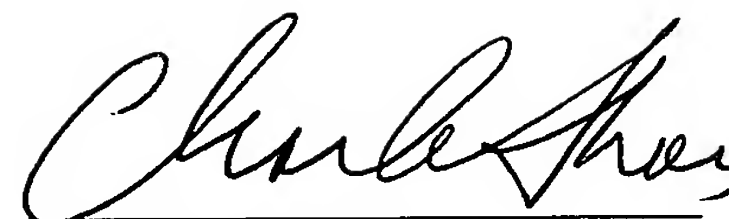
**CORRESPONDENCE ADDRESS**33. ☒ Address all future communications to:

Charles A. Cross  
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7500 Grace Drive  
Columbia, MD 21044-4098

*September 26, 2003*  
Date of Signature

**Address of Signator:**

W. R. Grace & Co.-Conn.  
Patent Department  
7500 Grace Drive  
Columbia, MD 21044-4098



Attorney or Agent

Charles A. Cross-Reg No. 32,406  
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☒ Attorney or agent of record  
☐ Filed under 37 CFR 1.34(a)

cc: R. A. Maggio  
Revised 4/1/02

☒ **"EXPRESS MAIL" - Mailing Label No. EV 311098746 US**

**Dat of Deposit: September 26, 2003**

I hereby certify that the enclosed documents, Utility Patent Application Transmittal Letter (in triplicate); Specification (25 pages); Drawings (4 pages); copy of Declaration and Power of Attorney; and Return Receipt Acknowledgement Postal Card are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Mail Stop: Patent Application, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Debra P. Darcey

(Typed or printed name of person mailing)

  
(Signature of person mailing paper or fee)

Attorney Docket No. W9544-01

Attorney: CAC:dpd

Entitled: "METHOD OF REDUCING SULFUR IN HYDROCARBON FEEDSTOCK  
USING A MEMBRANE SEPARATION ZONE"

Inventor: BALKO, Jeffrey William